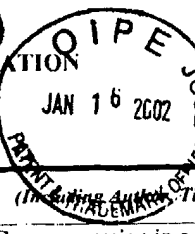


INFORMATION DISCLOSURE CITATION

Use several sheets if necessary



Docket Number (Optional) RDID01051U	Application Number 09/937,474
Applicant(s) BIRYUKOV, Sergey et al.	
Filing Date September 25, 2001	Group Art Unit To Be Assigned














EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
<i>MP</i> 26	Baranov, J. Vladimir et al., "Gene expression in a cell-free system on the preparative scale", Gene, 84 (1989) 463-466
<i>MP</i> 27	Craig, David et al., "Plasmid cDNA-directed protein synthesis in a coupled eukaryotic in vitro transcription-translation system", Nucleic Acids Research, Vol. 20, No. 19 4987-4995
<i>MP</i> 28	Davis, Julio et al., "Large Scale Dialysis Reactions Using E. Coli S30 Extract Systems", Promega Notes (pg. 14-21)
<i>MP</i> 29	Kleinkauf, Horst et al., "First German-Russian Summerschool on In Vitro Systems", Technical University Berlin Institute of Biochemistry and Molecular Biology September 28-30, 1994 (pg 63-70)
<i>MP</i> 30	Guajardo, Richard et al., "NTP Concentration Effects on Initial Transcription by T7 RNAP Indicate that Translocation Occurs through Passive Sliding and Reveal that Divergent Promoters have Distinct NTP Concentration Requirements for Productive Initiation", J. Mol. Biol. (1998) 281, 777-792
<i>MP</i> 31	Vsevolod V. Gurevich, et al., "Preparative in Vitro mRNA Synthesis Using SP6 and T7 RNA Polymerases", Analytical Biochemistry 195, 207-213 (1991)
<i>MP</i> 32	Kern, Jeffrey A et al., "Application of Solution Equilibrium Analysis to in Vitro RNA Transcription", Biotechnol. Prog. 1997, 13, 747-756
<i>MP</i> 33	Kigawa, Takanaori et al., "A Continuous Cell-Free protein Synthesis System for Coupled Transcription-Translation", J. Biochem. 110, 166-168 (1991)
<i>MP</i> 34	Laios, Eleftheria et al., "Novel Hybridization Assay Configurations Based on In Vitro Expression of DNA Reporter Molecules", Clinical Biochemistry, Vol. 31, No. 3, 151-158, April 1988
<i>MP</i> 35	Maier, Thomas et al., "Strep-Tag II Affinity Purification: An Approach to Study Intermediates of Metalloenzyme Biosynthesis", Analytical, Biochemistry 259, 68-73 (1998)
<i>MP</i> 36	Martemyanov, Kirill A et al., "Direct expression of PCR products in a cell-free transcription/translation system: synthesis of antibacterial peptide cecropin", FEBS Letters 414 (1997) 268-270
<i>MP</i> 37	Merrick, Williams G , "Translation of Exogenous mRNAs in reticulocyte Lysates", Methods in Enzymology, Vol. 101, Monitoring Cloned Gene Expression pgs 606-615

EXAMINER

DATE CONSIDERED

12/3/03

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Docket Number (Optional) RDID01051U	Application Number 09/937,474
Applicant(s) BIRYUKOV, Sergey et al.		Filing Date September 25, 2001	Group Art Unit To Be Assigned
EXAMINER INITIAL	OTHER DOCUMENTS (Including Abstracts, Title, Date, Pertinent Pages, Etc.)		
	38	Pelham, Hugh R. et al., "An Efficient mRNA-Dependent Translation System from Reticulocyte Lysates", Eur. J. Biochem. 67, 247-256 (1976)	
	39	Pokrovskaya, Irina D. et al., "In Vitro Transcription: Preparative RNA Yields in Analytical Scale Reactions", Analytical Biochemistry 220, 420-423 (1994)	
	40	Roberts, Bryan E. et al., "Efficient Translation of Tobacco Mosaic Virus RNA and Rabbit Globin 9S RNA in a Cell-Free System from Commercial Wheat Germ", Proc. Nat. Acad. Sci. USA Vol. 70, No. 8, pgs 2330-2334, August 1973	
	41	Ryabova, L.A. et al., "Preparative synthesis of globin in a continuous cell-free translation system from rabbit reticulocytes", Volume 17, Number 11, 1989 pg 4412	
	42	Ryabova, Lyubov A. et al., "Continuous-Flow Cell-Free Translation, Transcription-Translation, and Replication-Translation Systems", Volume 77 (8) pgs	
	43	Spirin, Alexander S. et al., "Cell-Free Synthesis Bioreactor", 1992 American Chemical Society, pgs 31-43	
	44	Spirin, Alexander S. et al., "A Continuous Cell-Free Translation System Capable of Producing Polypeptides in High Yield", Vol. 242, pgs 1162-1164, 1988	
	45	Suzuki, Haruo, "Effect of Concentration of KCl, Magnesium Acetate and Spermine on the Ratio of a to B Globin Chains Synthesized", J. Biochem., 82, 251-260 (1997)	
	46	Volyanik, Elena V. et al., "Synthesis of Preparative Amount of Biologically Active Interleukin-6 Using a Continuous-Flow Cell-Free Translation System", Analytical Biochemistry 214, 289-294 (1993)	
	47	Yamamoto, Yu-ichi et al., "Hollow Fiber Reactor For Continuous Flow Cell-Free Protein Production", Vol. 29 No. 6 1996 (pgs 1047-1050)	
	48	Zubay, Geoffrey et al., "In Vitro Synthesis Of Protein In Microbial Systems", 1973, pg 267-287	
	49	Roche Molecular Biochemicals, "Linked in vitro SP6/T7-Transcription/Translation Kit-radioactive", 14 pgs	
EXAMINER 	DATE CONSIDERED 12/3/03		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

RDID01051

SERIAL NO.

09/937,474

BIRYUKOV, Sergey et al.

FILING

September 25, 2001

GROUP

To Be Assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>AW</i>	8	4,668,624	05/87	Roberts	435	68	
<i>AW</i>	9	4,937,190	06/90	Palmenberg et al.	435	69.1	
<i>AW</i>	10	5,135,853	08/92	Dziewulski et al.	435	41	
<i>AW</i>	11	5,324,428	06/94	Flaherty	210	232	
<i>AW</i>	12	5,324,637	06/94	Thompson et al.	435	68.1	
<i>AW</i>	13	5,434,079	07/95	Mozayeni	435	311	
<i>AW</i>	14	5,503,741	04/96	Clark	210	232	
<i>AW</i>	15	5,674,729	10/97	Wimmer et al.	435	235.1	
<i>AW</i>	16	5,807,717	09/98	Joyce	435	91.1	
<i>AW</i>	17	6,107,055	08/00	Bauer et al.	435	68.1	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>AW</i>	18	EP0312617B1	04/89	Europe	C12P	21/02	ABSTRACT	
<i>AW</i>	19	EP0398083A1	11/90	Europe	C12M	1/12	ABSTRACT	
<i>AW</i>	20	EP0401369B1	12/90	Europe	C12P	21/00		✓
<i>AW</i>	21	EP0485608B1	05/92	Europe	C12P	21/00		
<i>AW</i>	22	EP0593757B1	04/94	Europe	C12P	21/00		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

AW

DATE CONSIDERED

12/3/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

